

Moseley writes: "In dredging at Kobé a fish (*Amblyopus*) was obtained, which is almost devoid of eyes, has the skin naked, except towards the tail, where there are rudimentary scales. An elevated crest or ridge-like organ runs along the middle of the top of the snout, and is continued on the chin; this on examination proved to be a sense-organ. It was richly provided with nerves, which go to the bottoms of long pits opening externally, and traversing them are connected all round with a system of elongate radially-disposed cells within these pits. The ridge itself is made up of a great thickening of the epithelial layer of the skin, the epithelial cells being elongated. The fish is of a bright red colour when fresh, from the blood showing through the transparent skin."

Willemoes-Suhm writes: "Moseley found a remarkable fish, living in the mud at 8 fathoms, of a pale reddish colour and with a peculiar organ on its nose. In shape it was like an *Ophidium*, and must have been plentiful in the bay, as nearly every haul brought up a specimen. Moseley also got many tubes and animals of *Chaetopterus*, a genus I have not seen since leaving Europe."

STATIONS 233
AND 233A.

DIATOMACEÆ.—The following species of Diatoms were observed by Mr. Rattray in the deposit from Station 233 :—

ORGANISMS FROM
THE DEPOSIT.

<i>Coscinodiscus oculus-iridis</i> , Ehrenberg.	<i>Campylodiscus undulatus</i> , Greville.
„ „ var. <i>loculifera</i> , Rattray.	„ <i>kittonianus</i> , Greville.
„ <i>concinus</i> , W. Smith, var. <i>jonesiana</i> , Rattray.	„ <i>dæmelianus</i> , Grunow.
„ <i>radiatus</i> , Ehrenberg.	„ <i>latus</i> , Shadbolt, var.
„ <i>nobilis</i> , Grunow.	„ <i>bicostatus</i> , W. Smith, var.
„ <i>normanii</i> , Gregory.	„ <i>samoensis</i> , Grunow.
„ <i>rex</i> , Wallich.	<i>Campylodiscus echineis</i> , Ehrenberg.
„ <i>decussatus</i> , Grove and Sturt.	<i>Surirella fastuosa</i> , Ehrenberg.
„ <i>gigas</i> , Ehrenberg, var. <i>diorama</i> , Grunow.	„ <i>fluminensis</i> , Grunow, var.
„ <i>perforatus</i> , Ehrenberg.	„ sp. (?).
„ <i>apiculatus</i> , Ehrenberg, var. <i>ambigua</i> , Grunow.	<i>Triceratium favus</i> , Ehrenberg.
„ <i>marginatus</i> , Ehrenberg.	<i>Alloioneis antillarum</i> , Cleve.
<i>Hyalodiscus stelliger</i> , Bailey (= <i>Podosira maculata</i> , W. Smith, <i>Craspedodiscus stella</i> , Ehrenberg).	<i>Navicula spectabilis</i> , Gregory.
„ <i>subtilis</i> , Bailey.	„ <i>lyra</i> , Ehrenberg, var. <i>elliptica</i> , A. Schmidt.
<i>Actinocyclus ehrenbergii</i> , Ralfs.	„ <i>crabro</i> , Kutzing.
<i>Arachnoidiscus ornatus</i> , Ehrenberg, var.	„ <i>major</i> , Kutzing (fresh water).
<i>Actinoptychus undulatus</i> , Ehrenberg.	<i>Nitzschia plana</i> , W. Smith.
<i>Melosira sulcata</i> , Kutzing, var. <i>biseriata</i> , Grunow.	„ (<i>Tryblimella</i>) <i>salinarum</i> , Grunow.
„ sp. (?).	„ <i>punctata</i> , Grunow, var. <i>coarctata</i> , Grunow.
<i>Hemidiscus cuneiformis</i> , Wallich.	<i>Pleurosigma æstuarii</i> , W. Smith.
	„ <i>strigosum</i> , W. Smith.
	„ <i>balticum</i> , W. Smith.
	<i>Biddulphia pulchella</i> , Gray.
	<i>Thalassiothrix frauenfeldii</i> , Grunow.